

FIG.1

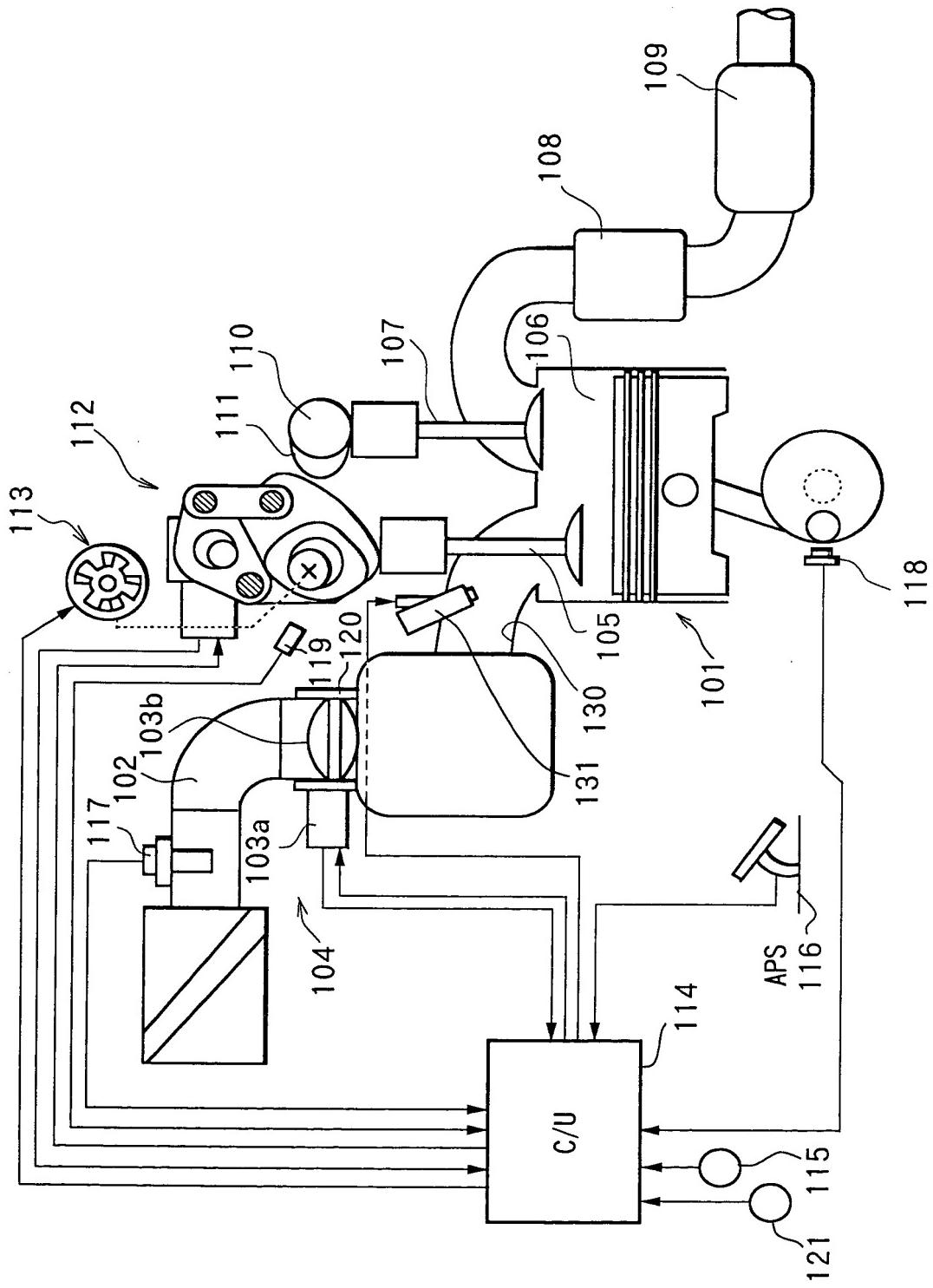


FIG.2

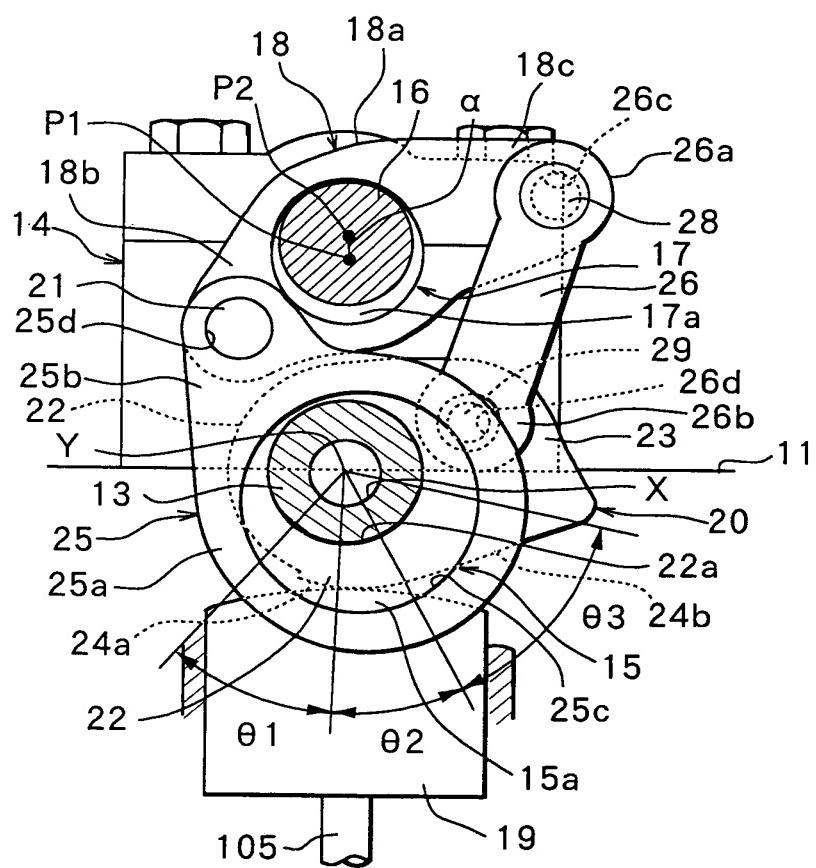


FIG.3

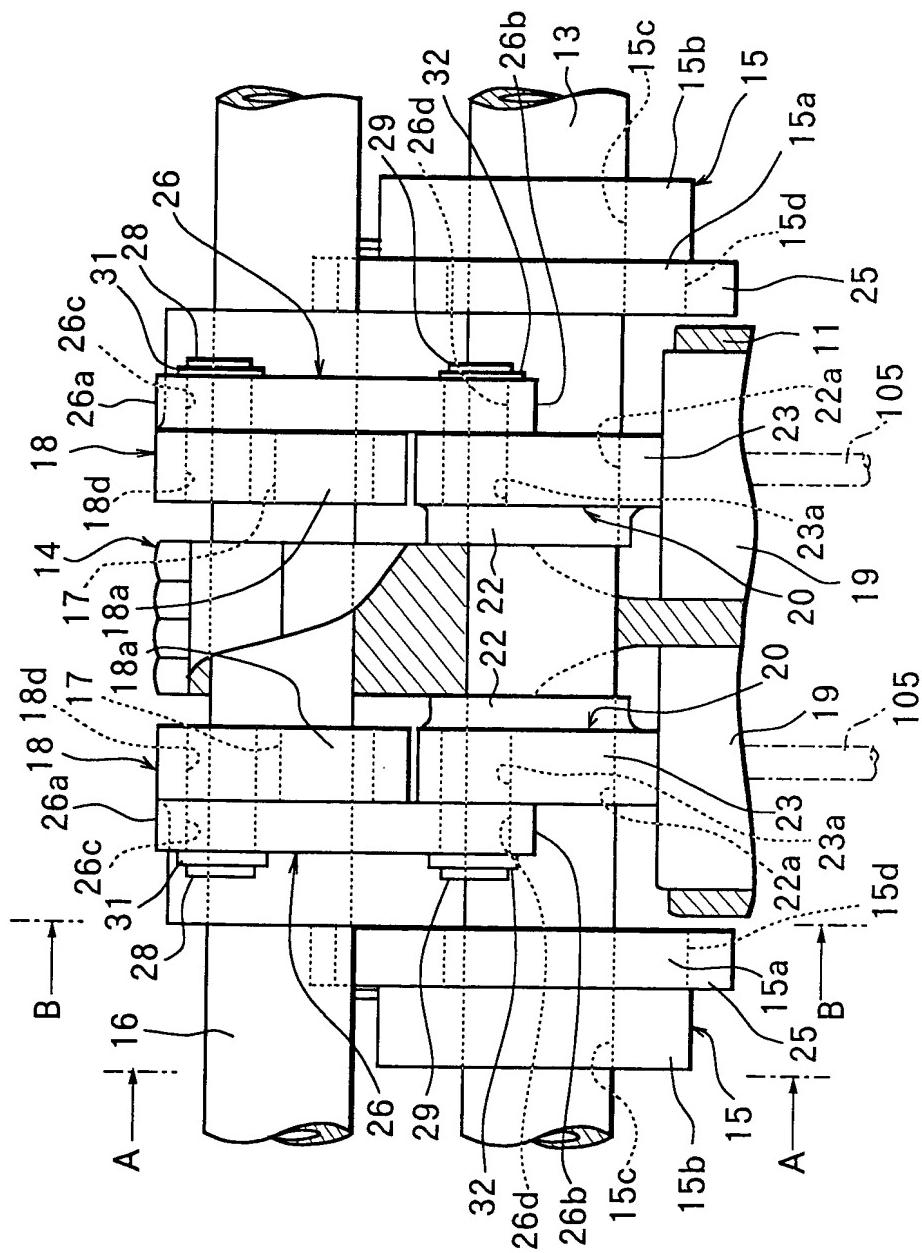


FIG.4

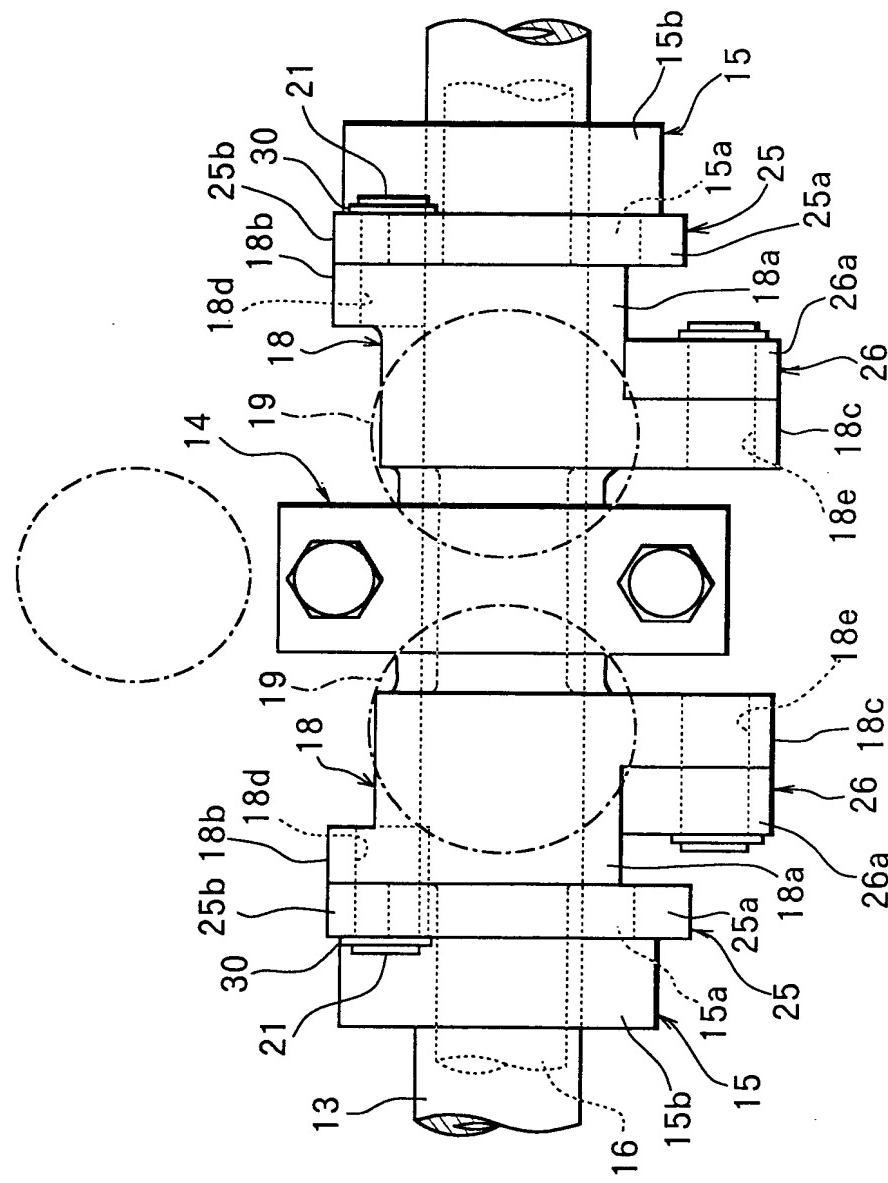


FIG.5

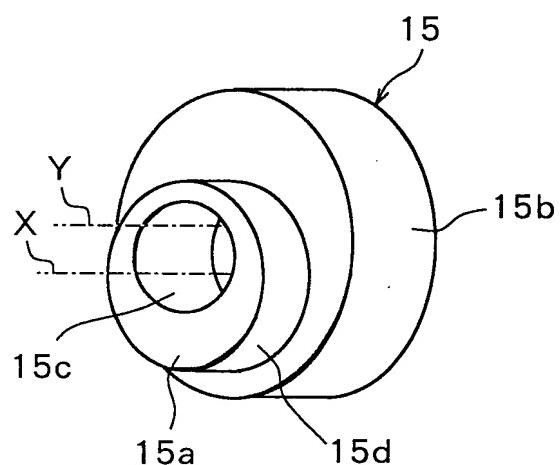


FIG.6

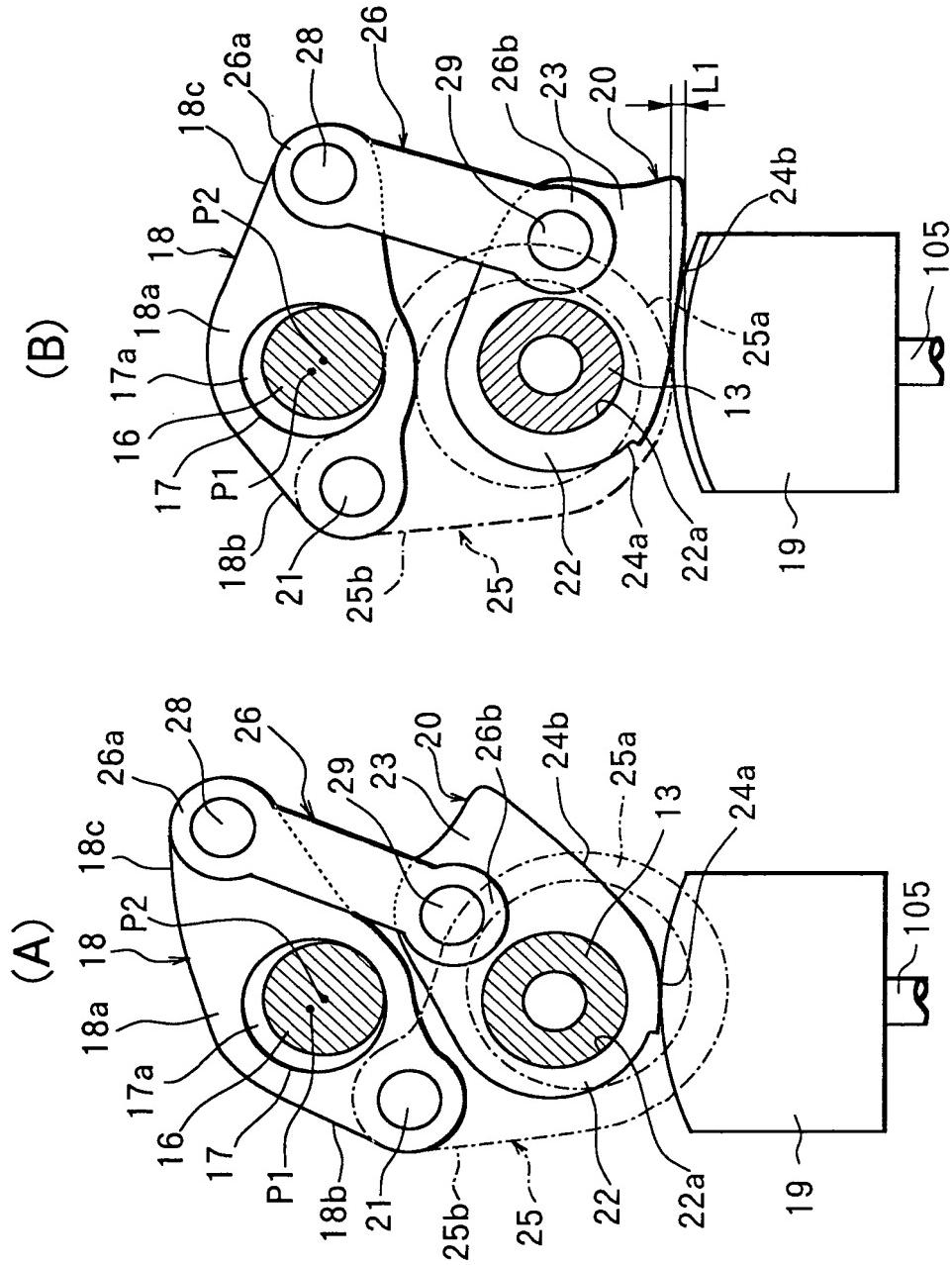


FIG. 7

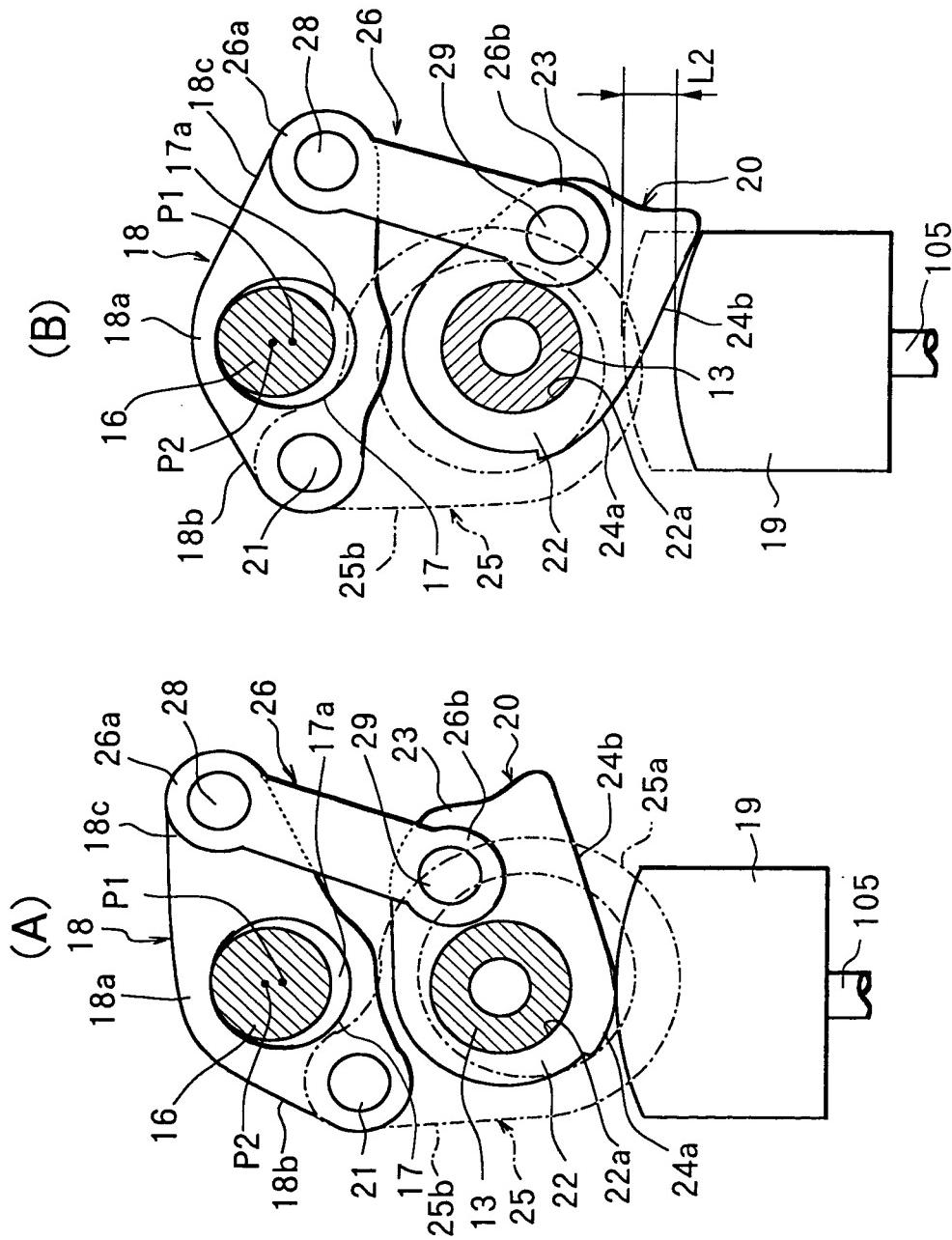


FIG.8

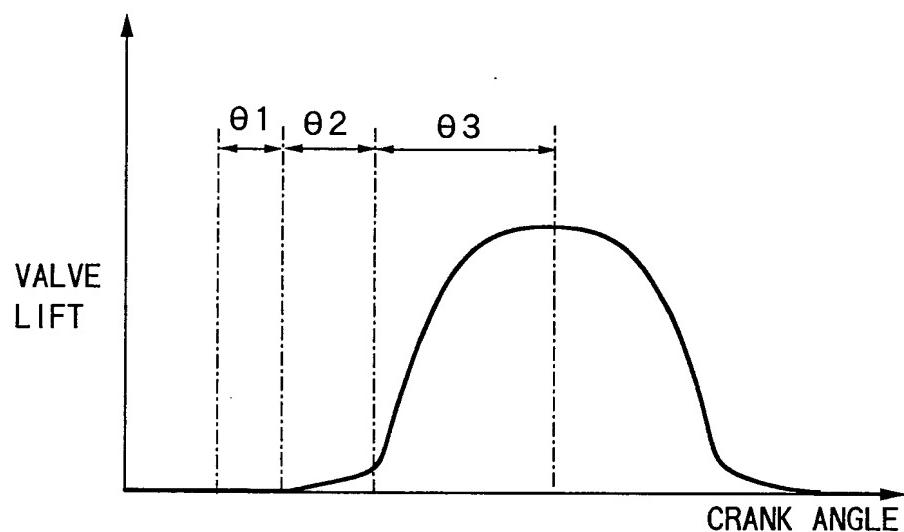


FIG.9

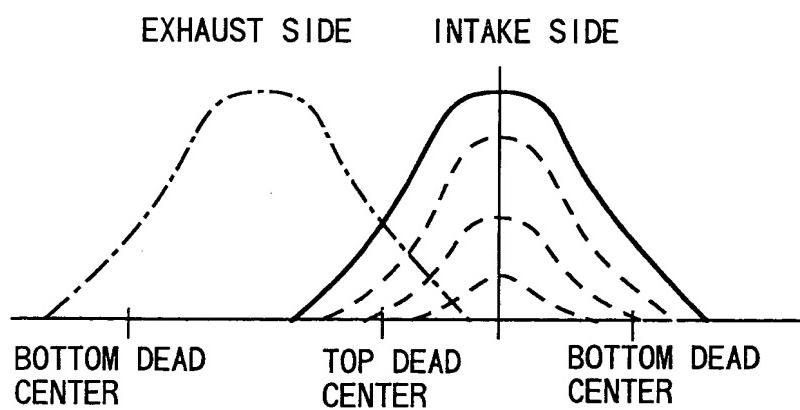
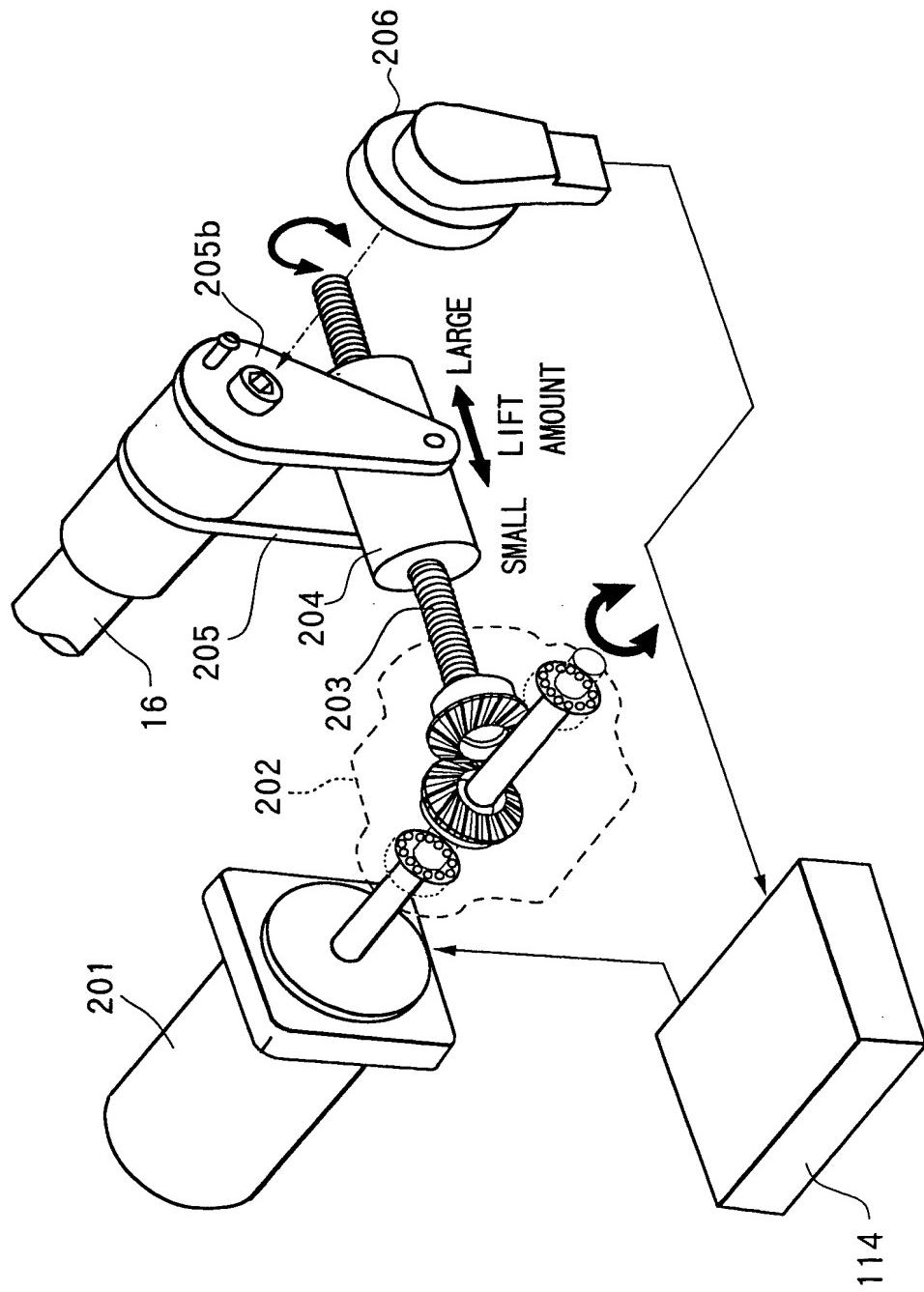


FIG.10



Title: APPARATUS AND METHOD FOR  
CONTROLLING INTAKE AIR AMOUNT  
OF INTERNAL COMBUSTION ENGINE

Inventor(s): Isamu IIZUKA et al.  
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FIG. 11

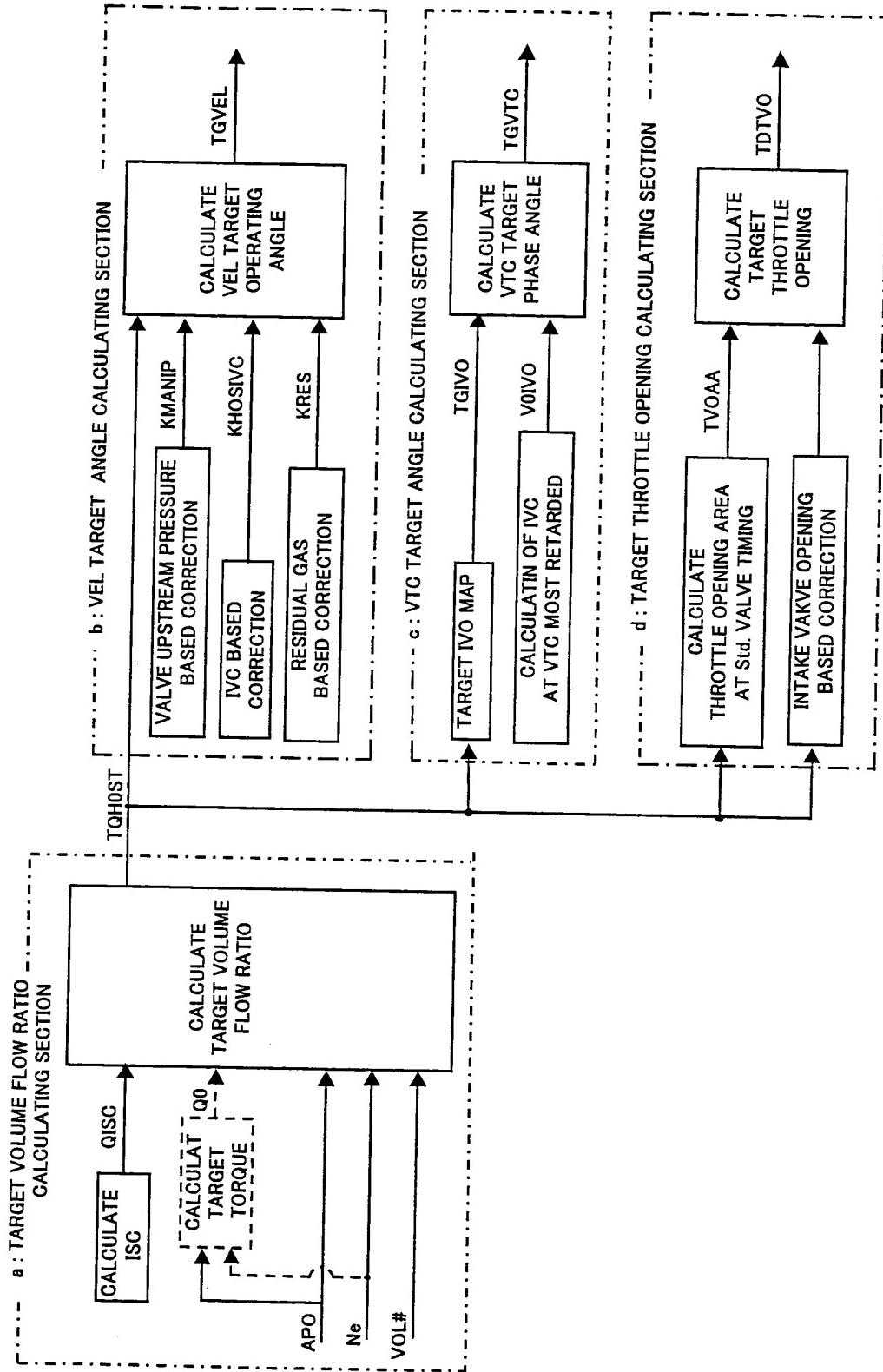
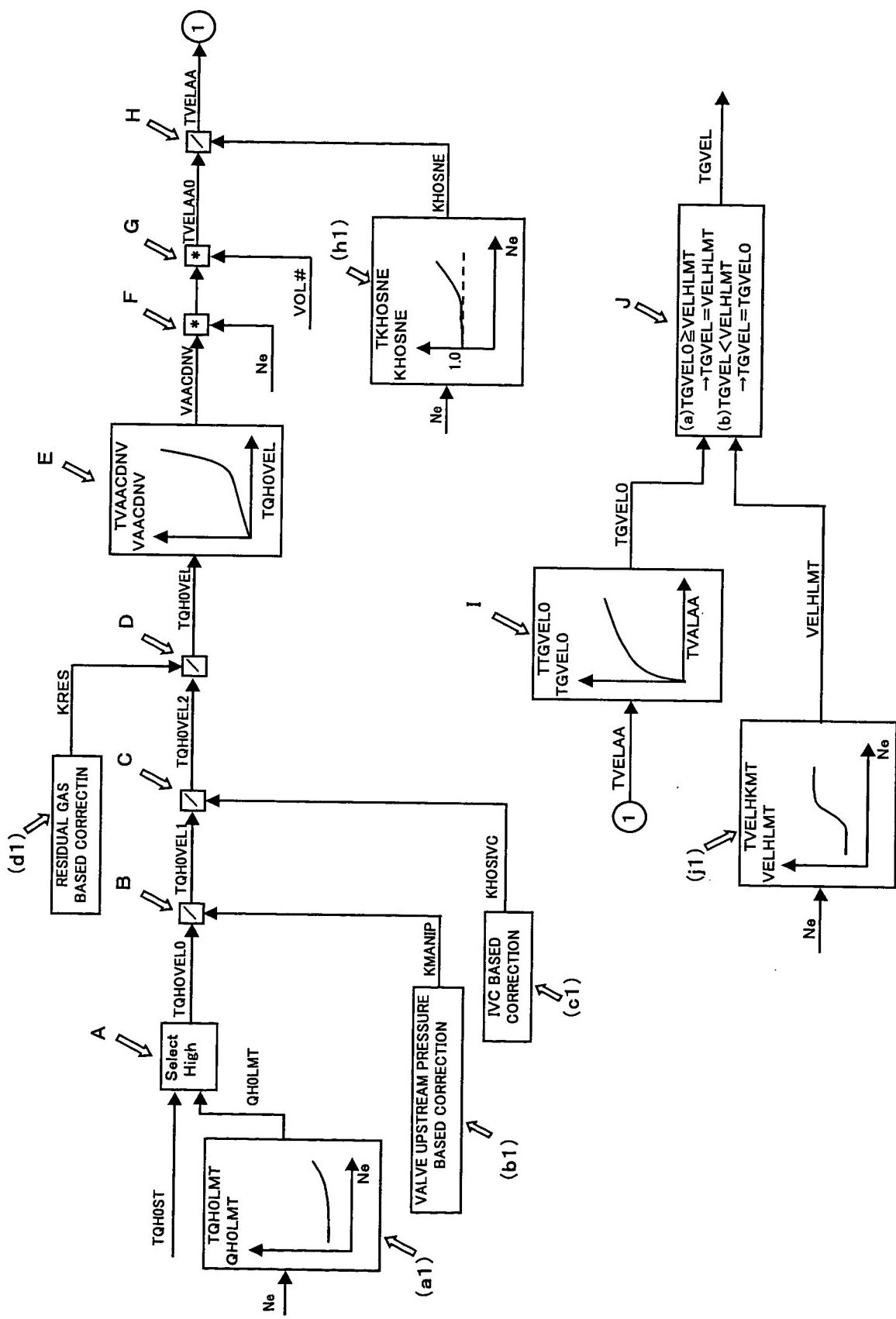


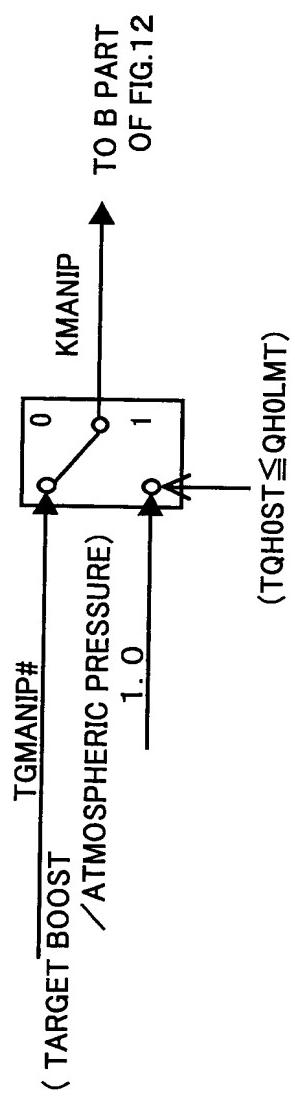
FIG. 12

**(b-1) SETTING OF VEL TARGET OPERATING ANGLE "TGVEL"**



# FIG.13

(b-2) SETTING OF VALVE UPSTREAM PRESSURE BASED CORRECTION VALUE "KMANIP"

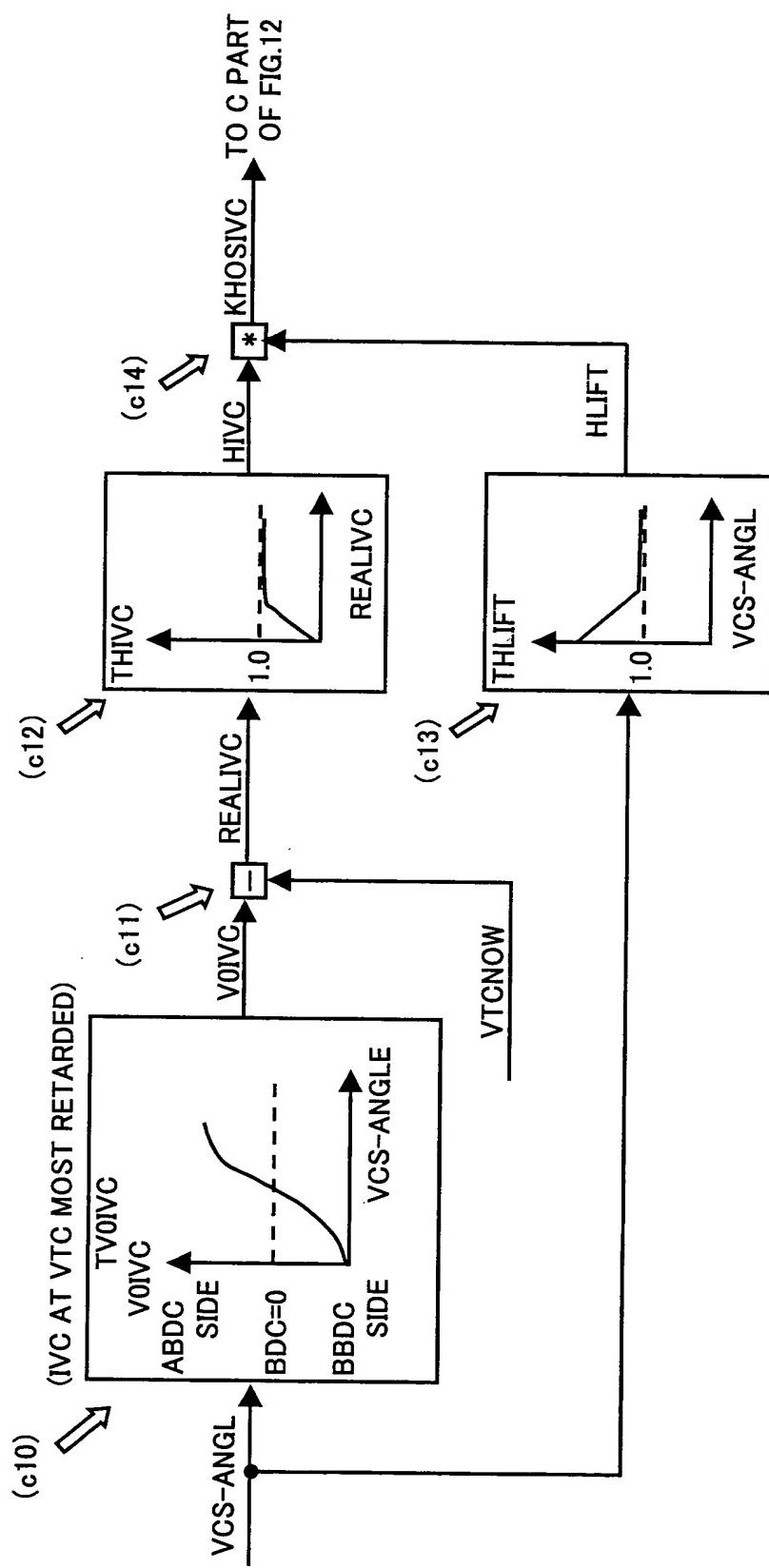


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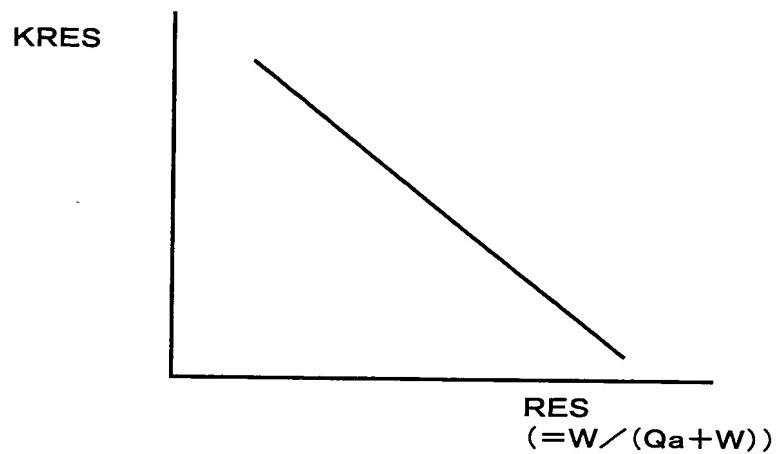
FIG. 14

(b-3) CALCULATION OF VALVE TIMING BASED CORRECTION VALUE "KHOSIVC"



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FIG.15



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## FIG.16

(c) SETTING OF VTC TARGET (PHASE) ANGLE "TGVTC"

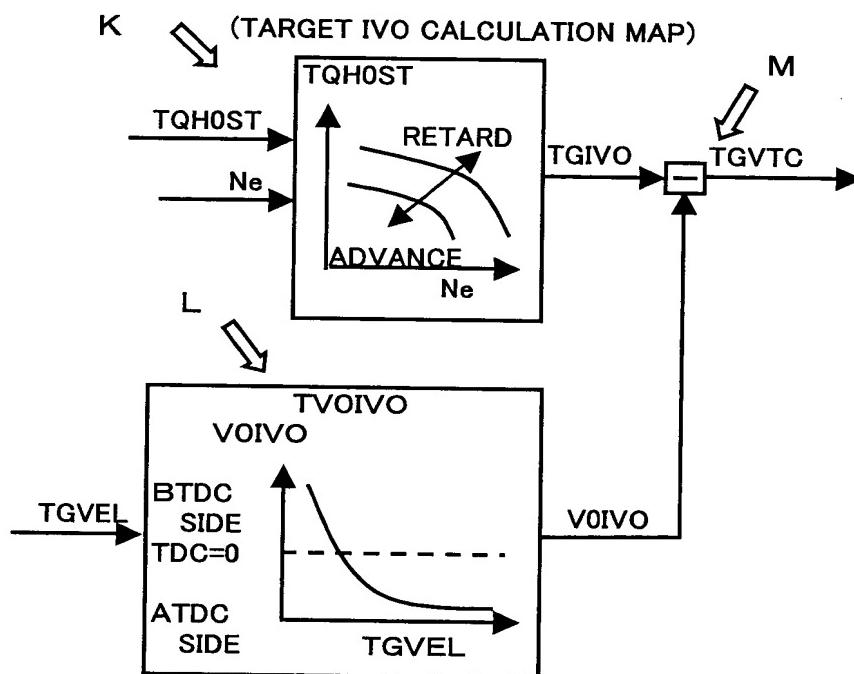


FIG. 17

(d-1) SETTING OF TARGET THROTTLE OPENING "TDTVO"

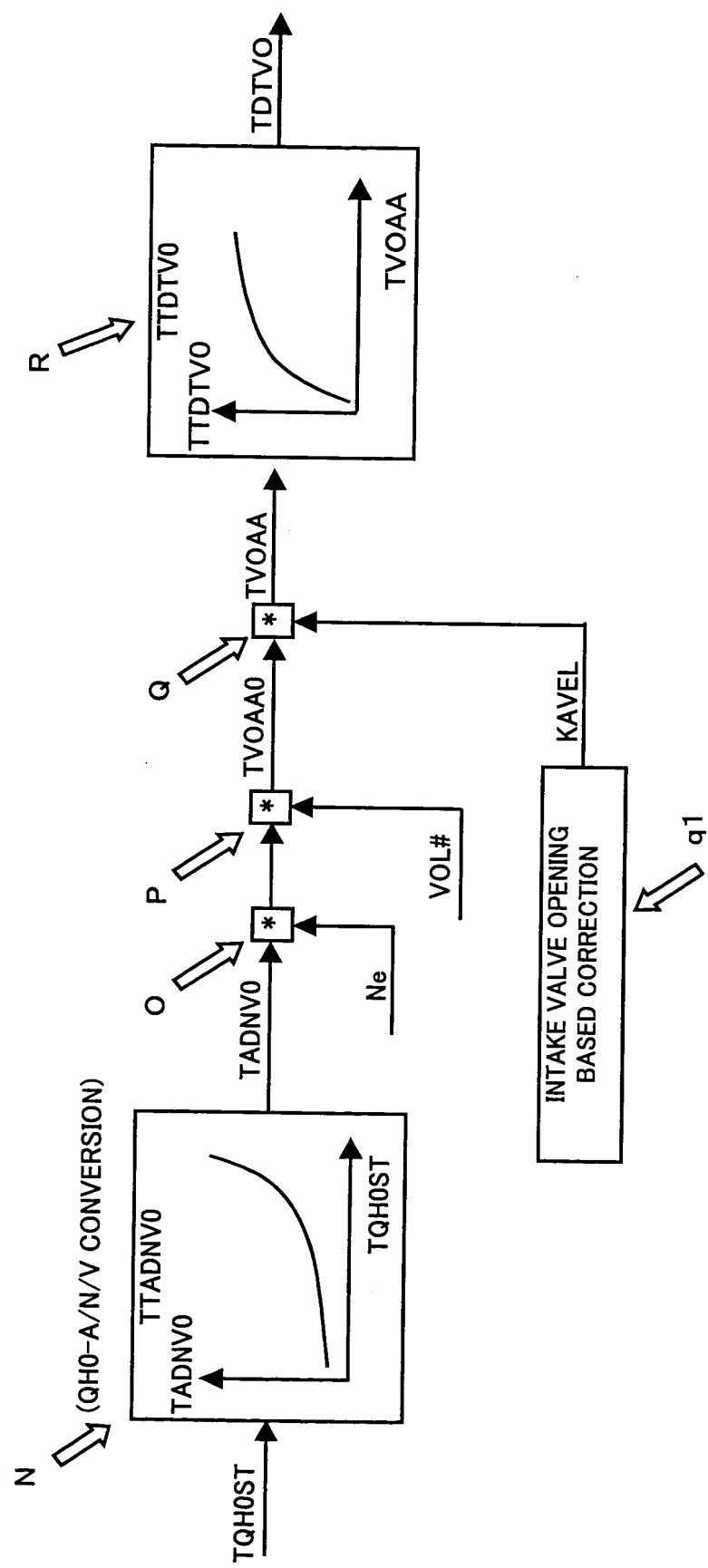


FIG. 18

(d-2) CALCULATION OF INTAKE VALVE OPENING BASED CORRECTION VALUE "KABEL"

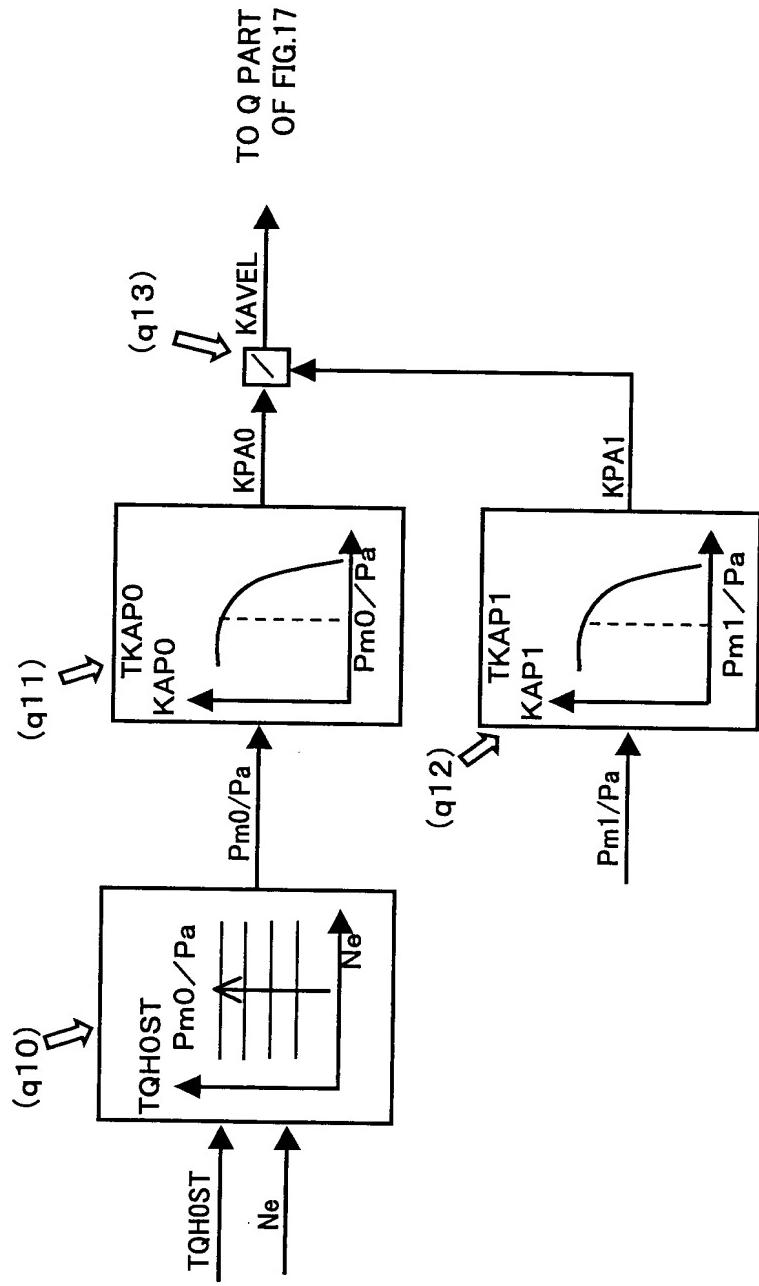


FIG.19

(d-3) CALCULATION OF PRESSURE RATIO( $P_{m1}/P_a$ )  
AT THE TIME WHEN VEL OPERATES

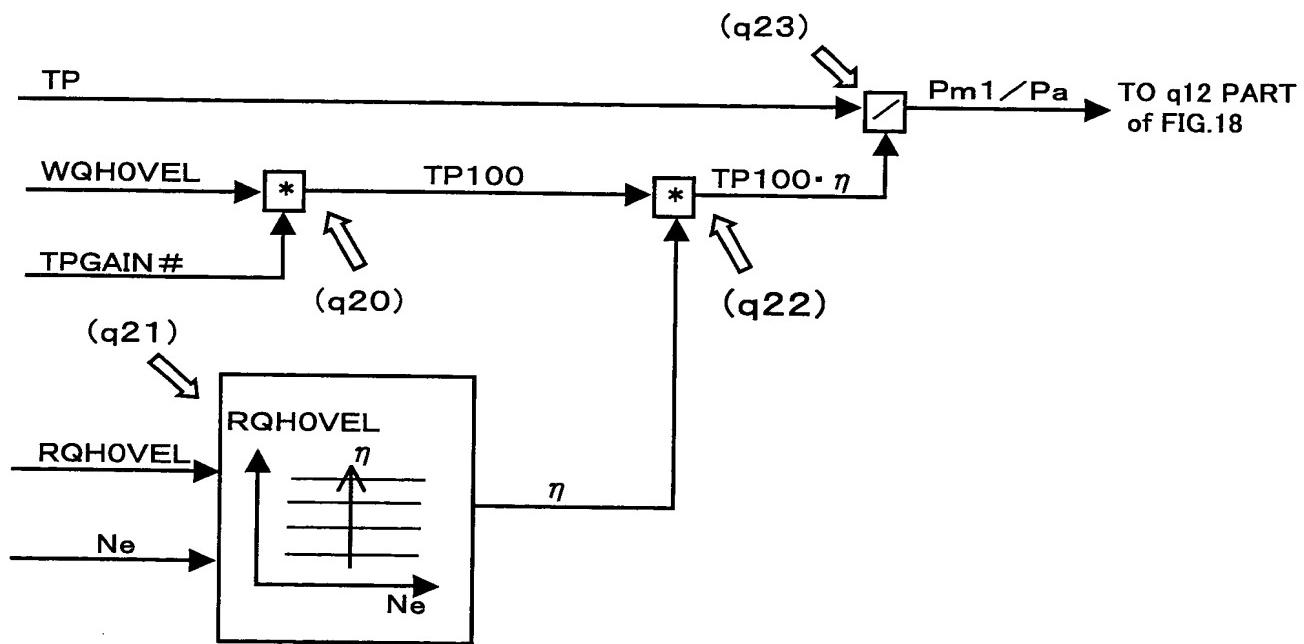


FIG.20

(d-4) CALCULATION OF RATIO "WQH0VEL," "RQH0VEL" OF VOLUME FLOW PASSED THROUGH INTAKE VALVE

